NAME

t_rcvdis – retrieve information from disconnect

SYNOPSIS

cc [*flag* ...] *file* ... **–lnsl** [*library* ...]

#include <tiuser.h>

int t_rcvdis(int *fildes***, struct t_discon** **discon***);**

MT-LEVEL

MT-Safe

DESCRIPTION

This function is used to identify the cause of a disconnect, and to retrieve any user data sent with the disconnect. *fildes* identifies the local transport endpoint where the connection existed, and *discon* points to a **t_discon** structure containing the following members:

```
struct netbuf    udata;
int              reason;
int              sequence;

/*
    struct netbuf {
     unsigned int    maxlen;
     unsigned int    len;
     char            *buf;
    };
*/
```

reason specifies the reason for the disconnect through a protocol-dependent reason code, **udata** identifies any user data that was sent with the disconnect, and **sequence** may identify an outstanding connect indication with which the disconnect is associated. **sequence** is only meaningful when **t_rcvdis( )** is issued by a passive transport user who has executed one or more **t_listen**(3N) functions and is processing the resulting connect indications. If a disconnect indication occurs, **sequence** can be used to identify which of the outstanding connect indications is associated with the disconnect.

If a user does not care if there is incoming data and does not need to know the value of **reason** or **sequence**, *discon* may be NULL and any user data associated with the disconnect will be discarded. However, if a user has retrieved more than one outstanding connect indication (using **t_listen**(3N)) and *discon* is NULL, the user will be unable to identify which connect indication the disconnect is associated with.

RETURN VALUES

t_rcvdis returns 0 on success. On failure **t_rcvdis** returns –1, **t_errno** is set to indicate the error, and possibly **errno** is set.

ERRORS

On failure, **t_errno** will be set to one of the following:

TBADF The specified file descriptor does not refer to a transport endpoint.

TBUFOVFLW The number of bytes allocated for incoming data is not sufficient to store the data. The provider's state, as seen by the user, will change to **T_IDLE**, and the disconnect indication information to be returned in *discon* will be discarded.

TNODIS No disconnect indication currently exists on the specified transport endpoint.

TNOTSUPPORT This function is not supported by the underlying transport provider.

TSYSERR A system error has occurred during execution of this function, **errno** will be set to the specific error.

SEE ALSO

t_connect(3N), **t_listen**(3N), **t_open**(3N), **t_snddis**(3N)

Transport Interfaces Programming Guide

NOTES

This interface is safe in multithreaded applications.